Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/04/2018 12:09 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124185	-1	0.91	124225	0.89
Blue	F	SSC	125000	125279	0	1.55	125937	1.55
Blue	E	FITC	16596	16197	-3	2.84	350	21.36
Blue	D	PE	29392	28727	-3	1.94	624	16.35
Blue	B	PerCP-Cy5-5	38531	38206	-1	4.14	1159	22.69
Blue	A	PE-Cy7	26351	26601	0	7.36	644	45.08
Red	C	APC	43035	42144	-3	2.64	1591	13.37
Red	A	APC-Cy7	25611	25422	-1	2.76	876	13.08
Violet	B	V450	8803	8450	-5	3.87	464	13.65
Violet	A	V500	32560	31898	-3	3.55	743	10.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20459	3.08	608	11	N/A	N/A	Pass
Blue	F	SSC	56807	1.07	572	17	N/A	N/A	Pass
Blue	E	FITC	62	68.71	557	7	0.0171	161	Pass
Blue	D	PE	130	55.82	557	8	0.1322	282	Pass
Blue	B	PerCP-Cy5-5	220	53.54	661	10	0.0073	26	Pass
Blue	A	PE-Cy7	125	108.48	718	13	0.0090	16	Pass
Red	C	APC	371	27.40	600	3	0.0192	49	Pass
Red	A	APC-Cy7	214	28.80	574	3	0.0046	961	Pass
Violet	B	V450	72	65.89	475	0	0.0620	3156	Pass
Violet	A	V500	110	33.98	485	1	0.0212	654	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.23	-32.02	1.16
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.53
Red	17.56	13.60 - 20.40	N/A	N/A	29.42	29.58	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10972

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments